## LEE & STERBA, P.C. 1101 Wilson Boulevard, Suite 2000 Arlington, Virginia 22209

27849 PATENT TRADEMARK OFFICE

TO: Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Attorney Docket No.249/419

## UTILITY PATENT APPLICATION TRANSMITTAL (new nonprovisional applications under 37 CFR 1.53(b))

Transmitted herewith for filing is the patent application of:

INVENTOR(S): Won-bong CHOI, Jo-won LEE, Ho-kyu KANG, Chung-woo KIM

TITLE: NONVOLATILE MEMORY DEVICE UTILIZING A VERTICAL NANOTUBE

In connection with this application, the following are enclosed:

## APPLICATION ELEMENTS:

DELETION OF INVENTOR(S) - Signed statement attached deleting inventor named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).  Incorporation By Reference (useable if copy of prior applicat Declaration being submitted)  The entire disclosure of the prior application, from which a COPY of the oath or declaration is supplied as noted above, is considered as being part of the disclosure of the accompanying application and is hereby incorporated by reference therein.  Microfiche Computer Program (Appendix)	<u>xx</u>	Specification - 14 TOTAL PAGES					
-Cross Reference to Related Applications -Statement Regard Fed sponsored R&D -Reference to Microfiche Appendix -Background of the Invention -Brief Summary of the Invention -Brief Description of the Drawings (if filed) -Detailed Description -Claim(s) -Abstract of the Disclosure  XX Drawings - Total Sheets _4  XX Declaration and Power of Attorney - Total Sheets _2	rq)	preferred arrangement:)					
<pre>xx Declaration and Power of Attorney - Total Sheets2     xx Newly executed (original or copy)     Copy from a prior application (37 CFR 1.63(d))         (relates to continuation/divisional boxes completed) - NOTE: Box be:         DELETION OF INVENTOR(S) - Signed statement attached deleting inventor named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).          Incorporation By Reference (useable if copy of prior applicat Declaration being submitted)  The entire disclosure of the prior application, from which a COPY of the oath or declaration is supplied as noted above, is considered as being part of the disclosure of the accompanying application and is hereby incorporated by reference therein.  Microfiche Computer Program (Appendix)  Nucleotide and/or Amino Acid Sequence Submission (if applicable all necessary)         Computer Readable Copy         Paper Copy (identical to computer copy)</pre>		-Cross Reference to Related Applications -Statement Regard Fed sponsored R&D -Reference to Microfiche Appendix -Background of the Invention -Brief Summary of the Invention -Brief Description of the Drawings (if filed) -Detailed Description -Claim(s)					
	XX	Drawings - Total Sheets <u>4</u>					
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		Computer Readable Copy Paper Copy (identical to computer copy)					

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ACCOMPANYING APPLICATION PARTS
xx Assignment Papers (cover sheet & document(s))
37 CFR 3.73(b) Statement (when there is an assignee)
English Translation Document (if applicable)
English Translation Document (if applicable) Information Disclosure Statement(IDS) with PTO-1449. Copies of IDS Citations Preliminary Amendment XX Return Receipt Postcard (MPEP 503)
Preliminary Amendment
xx_ Return Receipt Postcard (MPEP 503)
Small Entity Statement(s)
Statement file in prior application, status still proper and desired.
xx Certified Copy of Priority Document(s) with Claim of Priority
(if foreign priority is claimed).
OTHER: Check for
If a <u>CONTINUING APPLICATION</u> , check appropriate box and supply the requisite information:  Continuation Divisional Continuation-in-part (CIP) of prior application Serial No
Amend the specification by inserting before the first line the following sentence:This application is a continuation, divisional or continuation-in-part of application Serial No, filed
CORRESPONDENCE ADDRESS:  LEE & STERBA, P.C address noted above.  Telephone: (703) 525-0978  Fax Number: (703)-525-4265

FEE CALCULATIONS: (Small entity fees indicated in parentheses.)

(1) For	(2) Number Filed	(3) Number Extra	(4) Rate	(5) Basic Fee \$770.00 (\$385)
Total Claims 14 - 20 = 0			x \$18 (x \$9)	0.00
Independent Claims	1 - 3 =	0	x \$86 (x \$43)	0.00
Multiple Dependent Claims		\$290 (\$1 <b>4</b> 5)	0.00	
Assignment Re	cording Fee per p	\$40	40.00	
			TOTAL FEE:	810.00

## METHOD OF PAYMENT:

The Commissioner is hereby authorized to charge the fees connected with the filing of this application to Deposit Account No. 5-01645.

Respectfully submitted,

Date: November 17, 2003

Eugene M. Lee Reg. No. 32,039 Richard A. Sterba Reg. No. 43,162